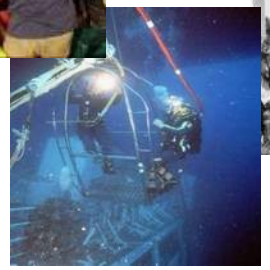
US Navy Supervisor of Salvage and Diving

Navy salvage forces serve as a national resource for:

- Foreign humanitarian assistance (FHA)
- Recovering fleet combatant ships following enemy action
- Responding to groundings, collisions, fire at sea, and other maritime disasters
- Deep Ocean Search and Recovery of sensitive items
- Restoring critical sea lines of communication (SLOCs) and sea ports of debarkation (SPODs) affected by enemy denial of access actions, as demonstrated in Um Qasr, Iraq, in 2003, and in response to natural disasters such as



NECC

Mobile Diving & Salvage Units

Expeditionary D&S
T-ARS/T-ATF/VOO

MSC

T-ARS & T-ATF

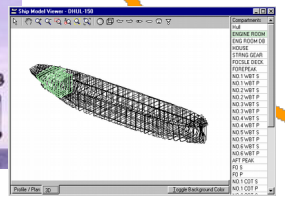
Professional Mariners;
Fleet Operations

NAVY SALVAGE CAPABILITY

SUPSALV

Technical Authority
Deep Ocean S & R
ESSM

Salvage Engineering
Oil Pollution Response
World–wide Contracts

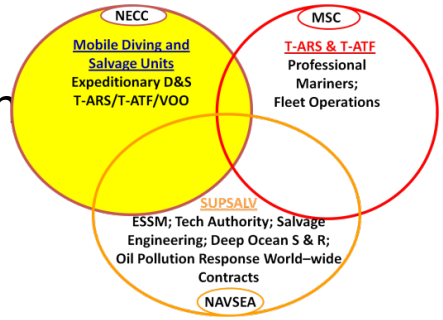


NAVSEA

Because of the working relationship between the MDSUs, MSC, and NAVSEA, the Navy salvage triad is able to leverage a wide range of salvage and recovery capabilities to provide support to CDRs.

Mobile Diving and Salvage (MDSUs)

- There are two MDSUs assigned under NECC. MDSU ONE is located in Pearl Harbor, Hawaii, and MDSU TWO is located in Little Creek, Virginia.
- ≈ 12 Companies/MDSU with ≈ 17 Personnel/Company
  - 5 companies in Little Creek, VA 7 companies in Pearl Harbor, HI
- MDSUs are commanded by a Navy line CDR warfare qualified in EOD.
- Expeditionary Salvage capability.
- Tailored load out to meet salvage needs in any environm
- Light weight, shallow water <300 ft



- **Site Survey and Assessment**
- **Battle Damage Assessment and Repair**
- **Emergent Underwater Ship's Husbandry**
- **Surface Supplied Diving Operations**
- **Lightweight* Salvage capability**

**** Heavyweight when augmented with T-ATF/ T-ARS and/or equipment***

MILITARY SEALIFT COMMAND

- Provides mission-ready forces (Salvage ships) to the fleet CDRs for operational tasking.
- Government-owned, government-operated (GOGO) MSC ships are public vessels, many of which are designated United States Naval Ships (USNSs).
- These ships are not commissioned and are manned by civilian merchant mariners who are U.S. government employees termed (CIVMARs).
- MSC is the naval component of the U.S. Transportation Command (USTRANSCOM).

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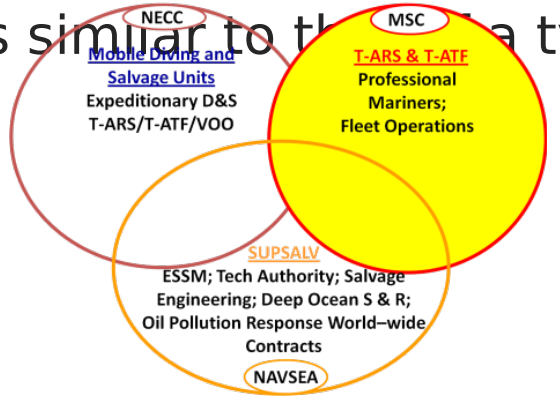
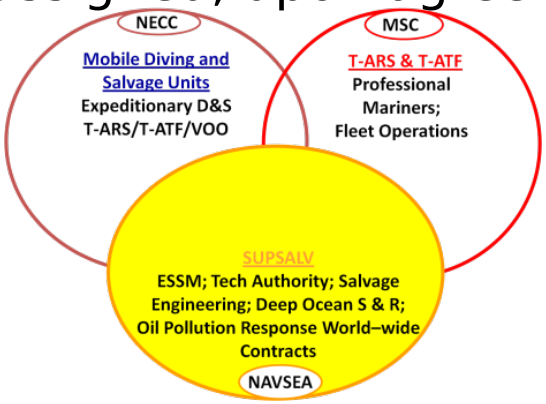
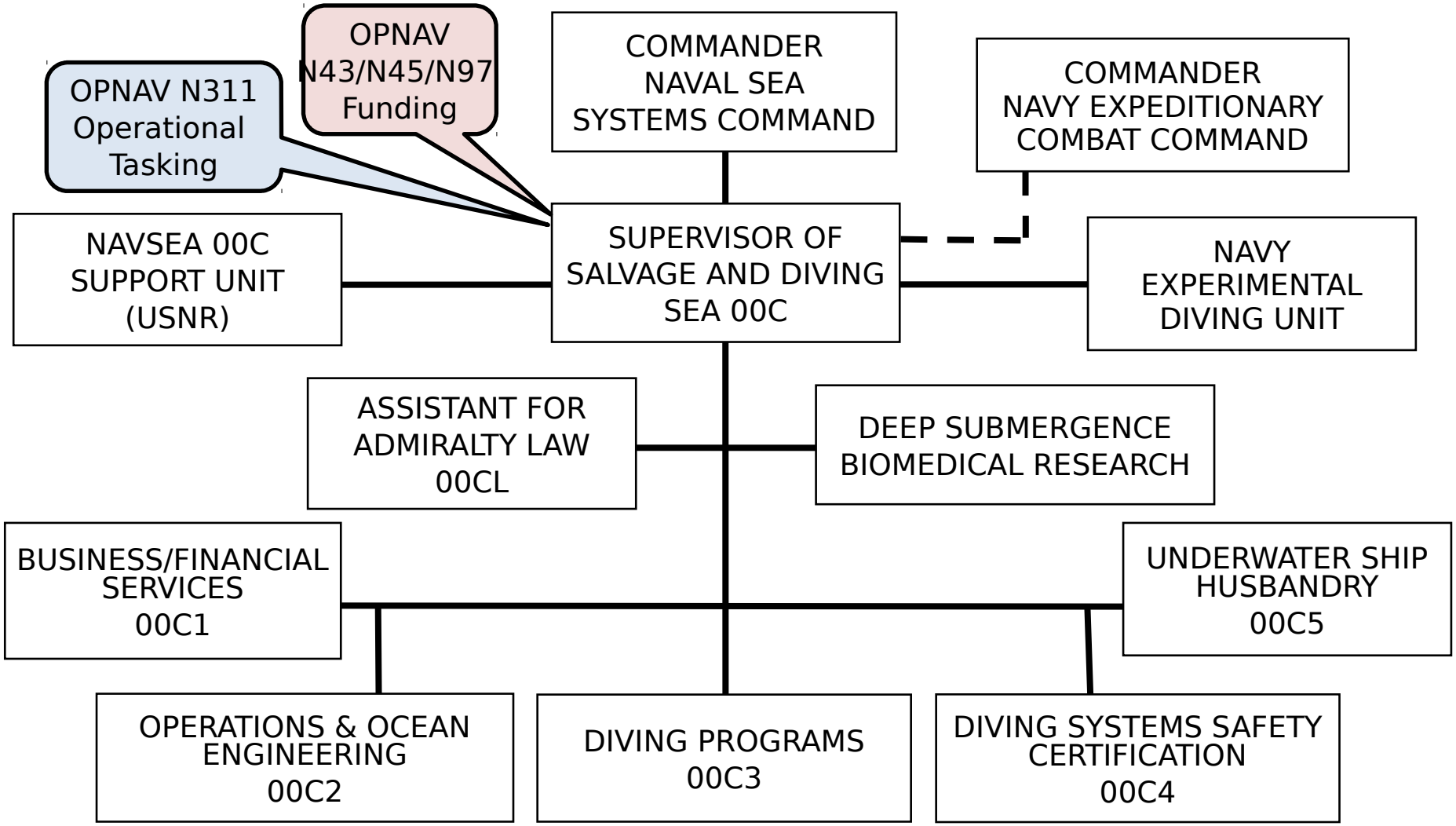


Navy Supervisor of Salvage and Diving (SUPSALV)

- NAVSEA command directorate (Code SEA 00C) headed by a Navy captain.
- NAVSEA is not in the operational chain of command - (SYSCOM).
- SUPSALV is tasked by and reports to CNO through Commander, Naval Sea Systems Command (COMNAVSEASYSCOM).
- Conducts and exercises project management oversight of salvage operations as directed by the CNO
- SUPSALV assumes responsibility for any salvage or recovery operations when so assigned, upon agreement with the)R.



SUPSALV Organization


OPNAV N311 Operational Tasking
OPNAV N43/N45/N97 Funding
COMMANDER NAVAL SEA SYSTEMS COMMAND
COMMANDER NAVY EXPEDITIONARY COMBAT COMMAND
NAVSEA 00C SUPPORT UNIT (USNR)
SUPERVISOR OF SALVAGE AND DIVING SEA 00C
NAVY EXPERIMENTAL DIVING UNIT
ASSISTANT FOR ADMIRALTY LAW 00CL
DEEP SUBMERGENCE BIOMEDICAL RESEARCH
BUSINESS/FINANCIAL SERVICES 00C1
UNDERWATER SHIP HUSBANDRY 00C5
OPERATIONS & OCEAN ENGINEERING 00C2
DIVING PROGRAMS 00C3
DIVING SYSTEMS SAFETY CERTIFICATION 00C4

SUPSALV's Salvage Authority

- 10 USC §7361-7364 – The Salvage Facilities Act

Authorizes the Secretary of the Navy to provide necessary Salvage Facilities and Oil Spill Response Capability.

- SECNAVINST 4740.1

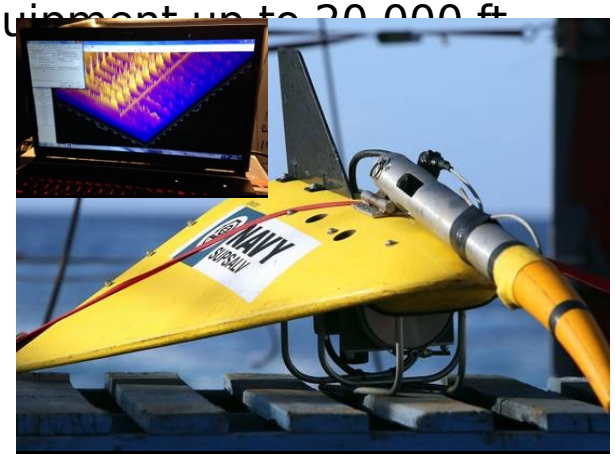
  The Supervisor of Salvage is delegated all Secretarial authority in 10 USC §7361-7364 to provide salvage facilities for public and private vessels.

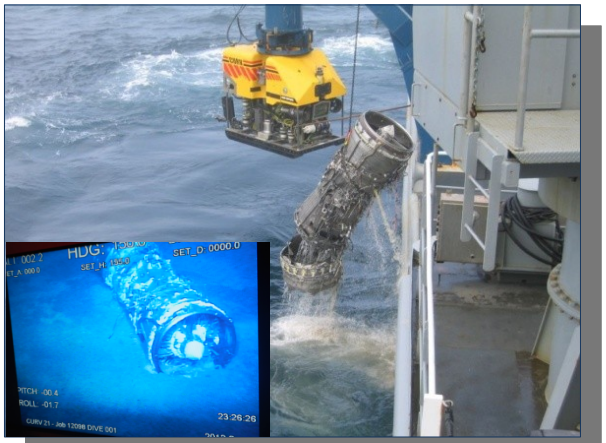
  - OPNAVINST 4740.2 directs Supervisor of Salvage to…
    - Maintain commercial contracts to supplement the Navy's salvage, search, and recovery capabilities
    - Maintain and operate deep ocean search and recovery assets to a maximum depth of at least 20,000 feet of water
    - Provide Fleet Commanders with equipment, expertise, and services to assist in salvage and recovery missions
    - Assume responsibility for salvage or recovery operations when so assigned
    - Provide capability for response to OHS spills on the open ocean or incident to salvage operations

Ocean Search and Recovery Contract Support

PHOENIX INTERNATIONAL
UNDERWATER SOLUTIONS WORLDWIDE

- SUPSALV maintains a deep-ocean search and recovery contract (Phoenix Int.)
- GOCO Search and Recovery equipment, capable of locating and recovering objects to a depth of at least 20,000 ft.
- The Navy-owned equipment
  - Remotely operated vehicles capable of OPS in strong currents, and various depths, and capable of a broad range of salvage rigging.
  - Search systems include side scan sonar systems capable of searching and detecting objects on the seafloor up to 20,000 ft.
  - Towed pinger locator equipment capable of localizing emissions from aircraft/weapon pingers activated by emersion in salt water after loss at sea.
  - Heavy lift support equipment up to 20,000 ft



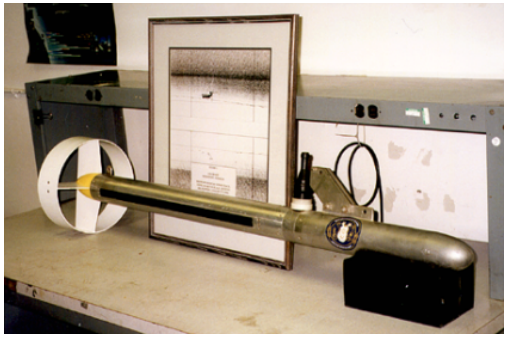


Emergency Ship Salvage Material (ESSM) Maintenance Support

SUPSALV maintains and exercises an ESSM contract to respond to salvage and oil-spill response tasking worldwide:

- ESSM system is a managed network of emergency ready response GOCO equipment positioned to support and augment Navy fleet capabilities in the areas of salvage, diving, Pollution response, and UWSH.
- Consists of a combination of eight bases strategically located around the world for rapid deployment.
  - The CONUS-based equipment provides a complete inventory of ESSM equipment. The OCONUS complexes carry limited amounts of ship salvage and pollution-control material.
- The ESSM catalog is available at http://www.supsalv.org/ESSM/

SUPSALV Search & Recovery Systems



Shallow Water Intermediate Search System (SWISS)
Depth - 7,000 ft

FADOSS 60-Kip Ship Motion Compensator

Orion21 Side Scan System
Depth - 20,000 ft

Towed Pinger Locator (TPL)

Magnum ROV
Depth - 8,000 ft

Deep Drone ROV
Depth - 8,000 ft

Cable-Controlled Underwater Recovery Vehicle (CURV) 21 ROV
Depth - 20,000 ft

REQUEST FOR SALVAGE

- **Salvage and recovery of operational force assets is the responsibility of the numbered fleet CDRs.**
  - Requests should be made when fleet resources are not readily available and mission capability is exceeded,
  - The request shall be submitted IAW local directives and shall include Commander, United States Joint Forces Command (CDRUSJFCOM), CNO, SUPSALV, COMUSFLTFORCOM, numbered fleet CDRs, MSFSC, naval surface force CDRs, Commander, Navy Expeditionary Combat Command (COMNECC), and others as appropriate, as info addressees.
  - Requests for contracted salvage assets via SUPSALV must have a funding commitment for the anticipated cost before assets are deployed.
  - Funding commitments shall originate from a person with authority and specify the total amount committed.
  - Requests should be made by the most expeditious means available and followed by a naval message.
  - SUPSALV is able to receive payments using standard Navy and DOD forms.

The mechanisms by which salvage services are tasked are delineated in the OPNAVINST 4740.2 (series).

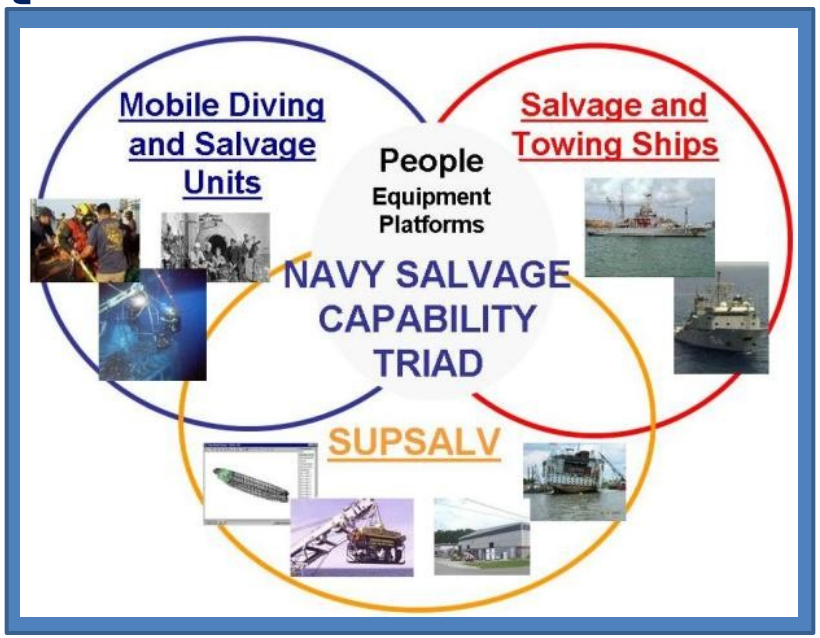
Navy Salvage Response - Tasking and Authority

Direct to SUPSALV:

- USN fleet support
- USCG/USACE via ISA

Via CNO N31:

- DOD/NORTHCOM
- Federal agencies (NRF / Stafford Act) (NTSB, NASA)
- Foreign governments



FEMA Reform Act; 6 Oct 2006 Enables Federal response to disasters …

Funding and Contracting

- Cost Reimbursable but not Capital Funded. You pay for operation, not infrastructure.
- The military effort is mission funded and free to the customer.
- We cannot expend contractor effort without the funding document in hand – timing is critical in salvage.
- If Navy is RP, we can deploy with commitment to fund by authorized official….. MIPR in one business day.
- Access to ESSM and Salvage Contracts Provides Worldwide Coverage.

QUESTIONS?